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MONTANA OIL AND GAS

STATISTICAL BULLETIN



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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG
HELENA, MONTANA 59601

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66

APRIL, 1977

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA At 15.025 lbs. and 60° F. Month of April, 1977

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of April, 1977, averaged 91,219 barrels daily, an increase of 1,330 barrels from the average 89,889 production in March.

The seven refineries in the state processed 106,658 barrels of crude oil daily for the month of April, a decrease of 21,819 barrels from the 128,477 barrels processed daily during the month of March.

During April, 47 wells were completed, 13 oil, 12 gas, and 22 dry holes.

During April, the Board issued 61 permits to drill new wells, a decrease of 20 from the 81 permits issued during March.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC. IN MONTANA MONTH OF APRIL, 1977

IN STORAGE APRIL 1st	
By Producers.....	328,392
By Transporters	1,068,110
By Refiners	1,045,872
TOTAL STORAGE.....	2,442,374
Produced in Montana During Month .	2,736,560
Imported During Month	2,559,592
TOTAL.....	7,738,526

DISPOSITION:	
Refined in Montana	3,199,706
Exported	1,251,712
Used for Fuel or Lost	14,632
TOTAL.....	4,466,050

IN STORAGE APRIL 30th	
By Producers.....	321,852
By Transporters	1,571,321
By Refiners	1,379,303
TOTAL STORAGE.....	3,272,476

Field	M.C Ft.
NATURAL:	
Alma.....	1,667
Bear's Den	—0—
Big Coulee	109,060
Black Coulee.....	5,101
Blackjack.....	17,229
Big Rock.....	94,851
Bowdoin	506,292
Bowes	84,237
Brown's Coulee	3,033
Bullwacker & Area	133,297
Canadian Coulee	23,126
Cedar Creek	139,109
Chip Creek.....	1,697
Coal Coulee.....	4,754
Conrad-Butte.....	14,598
Cut Bank (including Reagan).....	362,629
Dry Creek	85,820
Ethridge	3,942
Flat Coulee.....	13,555
Fred & George	2,687
Fresno	9,828
Gold Butte	2,402
Grandview	9,926
Hardin	2,719
Keith Block	119,339
Kevin Sunburst.....	16,644
Kevin Sunburst Nisku.....	13,229
Kicking Horse	29,125
Kinyon Coulee Area	9,377
Lake Basin	38,739
Liscom Creek	12,164
Middle Butte	1,658
Middle Dry Creek.....	2,769
Mt. Lilly	19,671
North Clark Fork	—0—
Plevna	3,939
Prairie Dell	21,912
Pumpkin Creek.....	23,295
Rapelje	28,979
Sage Creek	1,640
Sawtooth Mountain & Area	189,855
Sherard	91,327
Strawberry Creek Area.....	—0—
Snoose Coulee	16,416
South Devon	9,676
Swanson Creek.....	5,588
Tiger Ridge	1,035,745
Trail Creek	11,689
Utopia	48,715
West Butte	48,660
Whitlash	116,924
ASSOCIATED:	
Bell Creek.....	29,844
Big Muddy Creek	19,088
Cabin Creek.....	27,500
Elk Basin.....	10,901
Fairview.....	41,176
Four Mile Creek	7,262
Middle Sioux Pass	8,692
Otis Creek	4,329
Pine	41,500
Sioux Pass	18,696
Sioux Pass North	22,339
South Clark Fork	—0—
Rattlesnake Coulee	—0—
Richland	28,874
Tule Creek	4,317
Wildcat, Richland County	2,008
TOTAL.....	3,815,160

Total withdrawals for April, 1976 were 3,539,364 MCF.

PRODUCERS' REPORT — MONTH OF APRIL, 1977

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Arch Apex	4	1,303	924	844	632	.....	751
2	Ash Creek	3	430	800	.....	720	.....	510
1	Bainville	1	2,008	1,140	.....	1,359	.....	1,789
2	Bannatyne	2	607	633	633	.....	.....	607
6	Bear's Den	7	1,313	1,181	.....	1,471	.....	1,023
14	Bell Creek	176	17,297	763,601	759,435	.....	2,169	19,294
1	Benrud	2	389	195	.....	222	.....	362
3	Benrud East	3	788	8,818	435	7,461	.....	1,710
1	Benrud Northeast	1	621	1,118	.....	1,113	.....	626
1	Berthelote	1	320	105	.....	.....	.....	425
1	Big Bend	1	1,266	3,027	.....	3,441	.....	852
2	Big Gully	2	1,033	1,521	.....	2,250	.....	304
4	Big Muddy Creek	5	3,082	16,183	.....	17,149	.....	2,116
5	Big Wall	14	1,524	5,250	5,250	.....	.....	1,524
1	Blackfoot	7	184	1,898	1,671	.....	.....	411
3	Border .....	.....	1,315	2,971	.....	2,903	.....	1,383
.....	Boulder .....	.....	417	.....	.....	.....	.....	417
1	Bowes	51	4,736	10,150	.....	10,150	.....	4,736
1	Bredley	1	572	596	.....	1,011	.....	157
1	Bredy	1	.....	212	212	.....	.....	.....
2	Breed Creek	5	1,265	10,008	.....	9860	.....	1,413
5	Brorson-Madison	5	3,052	1,943	.....	2,097	357	2,541
4	Brorson-Red River	4	4,845	6,198	.....	5,486	501	5,056
3	Brorson-Red River South	3	1,317	5,354	.....	4,446	.....	2,225
5	Brush Lake	5	1,260	10,080	9,656	.....	.....	1,684
1	Burns Creek	1	534	679	.....	846	.....	367
2	Cabin Creek	85	.....	141,026	141,026	.....	.....	.....
1	Canal	1	621	2,741	.....	2,635	.....	727
10	Cel Creek	31	1,856	9,127	9,058	.....	.....	1,925
1	Charlie Creek	1	523	1,673	.....	1,937	.....	259
.....	Clarks Fork .....	.....	37	.....	.....	.....	.....	37
1	Clerks Fork North .....	.....	398	.....	.....	.....	.....	398
1	Clarks Fork South	1	1,418	272	.....	816	.....	874
3	Conrad South	3	.....	630	630	.....	.....	.....
2	Cow Creek	2	229	482	.....	483	.....	228
8	Cow Creek East	10	3,450	18,784	.....	19,270	.....	2,964
1	Culbertson	1	299	466	.....	420	.....	345
9	Cupton	10	6,570	7,589	1,612	5,599	298	6,650
82	Cut Bank	915	36,957	181,996	124,361	59,454	490	34,648
1	Dagmar	1	1,091	6,050	6,571	.....	.....	570
1	Deen Dome	1	1,036	538	.....	353	.....	1,221
1	Deer Creek	1	471	615	615	.....	.....	471
1	Delphia	1	187	300	.....	211	.....	276
.....	Devils Basin .....	.....	103	.....	.....	.....	.....	103
3	Dry Creek	3	747	5,441	5,407	.....	.....	781
2	Dwyer	10	4,694	15,132	15,979	.....	.....	3,847
3	Elk Basin	49	627	84,159	84,252	.....	.....	534
4	Elk Basin Northwest	6	1,652	2,091	.....	425	.....	1,872
5	Fairview	8	8,614	27,850	27,305	.....	.....	9,159
2	Fertile Prairie	2	668	1,345	.....	1,292	.....	721
4	Flat Coulee	21	1,985	9,785	9,617	207	.....	1,946
7	Flet Lake	49	2,778	49,403	50,371	.....	.....	1,810
4	Flet Lake South	4	601	3,004	2,347	.....	.....	1,258
1	Fort Gilbert	2	508	.....	.....	.....	.....	508
1	Four Mlle Creek	1	1,232	7,798	.....	8,439	.....	591
1	Frannie	1	660	.....	.....	.....	.....	.....
11	Fred & George Creek	37	3,638	31,775	29,322	1,669	.....	4,422
1	Froid South	1	505	809	.....	843	.....	471
1	Gege	1	227	125	.....	209	.....	143
3	Gas City	15	7,520	13,405	13,016	3,705	.....	4,204
2	Girard	2	1,358	965	.....	1,190	.....	1,133
11	Glendive	15	1,878	21,425	21,835	.....	.....	1,468
13	Goose Lake	19	3,397	17,549	17,827	.....	.....	3,119
11	Greben Coulee	34	4,426	4,207	2,713	1,277	329	4,314
1	Grandview	1	142	247	.....	212	.....	177
5	Gumbo Ridge	6	1,711	6,378	.....	6,879	.....	1,210
4	Gypsy Basin	5	834	638	.....	427	(69)	1,114
2	Hay Creek-Mission	2	134	1,949	.....	1,074	.....	1,009
2	Hay Creek-Red River	2	2,343	5,841	3,162	3,452	.....	1,570
4	Hiawatha	4	3,347	4,682	6,089	.....	14	1,926
1	Hibberd	1	677	381	.....	445	.....	613
4	High Five	9	2,086	11,885	12,834	.....	.....	1,137
.....	Highview .....	.....	25	.....	.....	.....	.....	25
1	Horse Creek	1	503	82	.....	.....	.....	585
2	Howard Coulee	2	958	2,279	.....	2856	.....	381
4	Ivenhoe	11	1,664	2,102	2,968	.....	.....	798
2	Jlm Coulee	17	2,521	27,520	27,016	.....	.....	3,025
5	Keg Coulee	20	3,032	7,983	7,522	.....	45	3,448
3	Keg Coulee North	3	1,102	1,009	952	.....	.....	1,159
1	Kelley	3	286	2,156	1,770	.....	.....	672
88	Kevin Sunburst	487	11,951	26,383	1,704	26,411	3	10,216
1	Laird Creek	10	748	1,875	1,768	.....	.....	855
1	Lendslide Butte	1	1,017	171	558	.....	72	558
3	Leary	3	1,830	3,758	.....	3,370	29	2,189
2	Little Beaver	23	200	36,068	36,038	.....	.....	230
2	Little Beaver East	8	1,233	9,088	7,743	.....	.....	2,578
12	Little Wall Creek	13	3,479	13,195	12,931	.....	.....	3,743
1	Lodge Grass	1	1,036	588	.....	933	.....	691
2	Lone Butte	2	1,040	2,771	.....	2,256	.....	1,555
6	Lonetree Creek	6	3,463	11,018	.....	10,306	.....	4,175
1	Long Creek	1	325	615	.....	726	.....	214
3	Lookout Butte (Coral Creek)	30	535	49,416	48,809	.....	.....	1,142
2	Mason Lake	2	215	300	364	.....	.....	151
3	Melstone	3	661	1,368	1,555	.....	.....	474
1	Mineral Bench	1	.....	2,138	2,088	.....	.....	50
2	Miners Coulee	5	205	466	.....	257	.....	414
10	Monarch	15	4,033	12,289	11,811	1,295	.....	3,216
4	Mosser	12	.....	381	.....	381	.....	.....
1	Nohly	2	1,279	8,642	.....	8,636	.....	1,285
1	North Fork	1	776	841	.....	793	.....	824
4	Otis Creek	4	1,861	7,841	.....	7,061	.....	2,641
3	Outlook	6	1,232	16,843	16,466	.....	.....	1,609
1	Outlook South	1	1,067	910	871	.....	.....	1,106
2	Outlook West	2	1,757	1,187	2,172	.....	.....	772
1	Pennel	115	1,910	237,190	231,932	.....	.....	7,168
4	Pine	104	12,857	188,234	188,287	.....	.....	12,804
70	Pondera	321	4,934	22,696	13,389	8,032	.....	6,209
6	Poplar	62	7,829	42,723	42,836	830	.....	6,886
9	Poplar Northwest	13	1,796	16,478	15,353	455	.....	2,466
1	Prairie Elk	1	560	561	.....	841	.....	280
2	Pritchard Creek	5	730	467	.....	706	.....	491
1	Putnam	2	1,062	2,462	.....	3,046	.....	478
3	Rabbit Hills	3	2,007	4,587	8,615	5,181	.....	1,413
8	Ragged Point	23	4,640	7,777	.....	.....	.....	3,802
3	Rattler Butte	3	579	2,209	.....	2,410	.....	378
2	Rattlesnake Coulee	2	535	139	.....	311	.....	363
2	Raymond	6	1,317	16,582	15,642	.....	.....	2,257
1	Raymond Northeast	2	817	2,196	1,686	.....	.....	1,327
3	Reegen	54	830	12,742	12,844	.....	.....	728
1	Red Creek	19	.....	9,010	8,587	.....	.....	.....
1	Red Fox	1	197	426	.....	444	.....	179
1	Redstone	1	255	893	.....	898	.....	250
1	Repeel	1	663	1,133	.....	1,116	.....	680
3	Reserve	3	2,362	1,868	1,959	.....	.....	2,271
2	Richey	3	840	2,088	350	1,738	.....	840
1	Richey Southwest	5	466	1,132	.....	850	.....	748
2	Rip Rap Coulee	2	976	1,439	.....	1,431	.....	984
4	Rosebud	5	1,976	3,259	3,703	.....	.....	1,532
1	Rush Mountain	1	346	2,020	.....	1,979	.....	387
2	Salt Lake	3	307	1,945	.....	2,035	.....	217
2	Sand Creek	2	862	2,750	2,750	.....	.....	862
3	Second Creek	3	1,246	4,982	.....	5,150	.....	1,078
2	Shepherdier	3	471	788	869	.....	(7)	397
2	Sidney	2	892	5,788	5,894	.....	.....	786
6	Sioux Pass	8	4,758	32,571	.....	31,303	.....	6,026
2	Sioux Pass Middle	2	978	11,605	.....	11,688	.....	895
1	Sioux Pass North	6	3,620	16,811	.....	16,703	.....	3,728
6	Snyder	3	583	408	.....	615	.....	376
8	Soap Creek	21	3,681	5,209	7,026	.....	.....	1,864
1	South Fork	1	580	1,910	.....	1,978	.....	512
1	Spring Lake	2	1,286	1,645	.....	1,578	.....	1,353
1	Stensvad	4	1,430	3,652	3,128	.....	.....	1,954
24	Sumatra	107	9,993	181,956	181,660	.....	135	10,154
5	Tule Creek	5	2,287	10,650	6,438	4,459	.....	2,040
2	Tule Creek East	2	896	658	.....	864	.....	690
2	Tule Creek South	3	316	1,140	.....	866	.....	590
2	Vaux	2	1,776	5,349	.....	5,349	.....	1,776
2	Vlde	2	667	250	.....	425	.....	492
6	Volt	6	3,168	8,924	1,595	7,805	.....	2,692
2	Wagon Box	2	236	340	.....	.....	.....	576
1	Weed Creek	1	746	1,275	.....	1,644	.....	377
2	Weldon	3	1,521	2,942	2,951	.....	.....	1,512
1	West Butte	1	.....	355	.....	355	.....	.....
29	Whitlash	61	11,572	13,043	10,518	3,892	.....	10,205
.....	Whitlash West .....	.....	284	.....	.....	.....	.....	284
2	Willow Creek North	2	300	1,059	732	.....	.....	627
1	Willow Ridge	1	.....	406	.....	406	.....	.....
3	Wills Creek South	3	.....	3,563	3,563	.....	.....	.....
3	Winnett Junction	5	839	2,418	.....	2,912	.....	345
2	Wolf Springs	2	1,280	927	.....	869	.....	1,338
1	Woman's Pocket	2	.....	138	.....	.....	.....	138
2	Woodrow	2	588	1,750	1,750	.....	.....	588
2	Wright Creek	3	583	1,121	.....	.....	.....	

TRANSPORTERS' REPORT — MONTH OF APRIL, 1977

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Inc.			720				720		
BAINVILLE—Koch Oil Company			1,359				1,359		
BEAR'S DEN—Truck			1,471			1,471			
BELL CREEK—Pipeline	32,014	759,435					732,430		59,019
BIG GULLY—Truck			2,250				2,250		
BIG MUDDY—Truck			17,149				17,149		
BIG WALL—Continental Pipeline Co.		5,250				5,250			
BLACKFOOT—Phillips Petroleum Co.		1,671						1,671	
BORDER—Permian Corp.			2,903					2,903	
BOWES—Koch Oil Co.			10,150				10,150		
BREED CREEK—Truck			9,860				9,860		
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—Koch Oil Co.			12,029					12,029	
BRUSH LAKE—Portal Pipeline Co.		9,656					9,656		
BURNS CREEK—Western Crude Oil, Inc.			846				846		
CABIN CREEK & OTHERS¹	227,771	381,699	15,688	989,811		157,486	1,133,863		323,620
Butte Pipeline Co.	4,183	282,471			775			282,471	3,459
Sheli Pipeline Co.									
	231,954	664,170	15,688	989,811	775	157,486	1,133,863	282,420	327,079
CANAL—Koch Oil Company			2,635				2,635		
CAT CREEK—Continental Pipeline Co.		9,058				9,058			
CHARLIE CREEK—Truck			1,937			1,937			
CLARK'S FORK & CLARK'S SOUTH—Permian Corp.			816					816	
COW CREEK & COW CREEK EAST— Western Crude Oil, Inc.			19,753				19,753		
CUT BANK— Permian Corp.			54,712					54,712	
Phillips Petroleum Co.	28,739	58,359	8,255	163,586	3,310	133,795			121,834
Texas Pipeline Co.	15,101	15,943		7,051		14,965			23,130
Union Oil Co.	34,074	48,402			474	24,479			57,523
Western Oil Trans. Co.		15,492						15,492	
Western Oil Trans. Co. (Moulton).		71,550						71,550	
	77,914	209,746	62,967	170,637	3,784	173,239		141,754	202,487
DEAN DOME			353			353			
DELPHIA—Truck			211			211			
DWYER—Portal Pipeline Co.		15,979					15,979		
ELK BASIN & ELK BASIN NORTHWEST— Marathon Pipeline Co.		85,698				42,931	42,762		
Permian Corp.			425			425			
		85,698	425			43,356	42,767		
FAIRVIEW— Fairview Pipeline Co.		16,191						16,191	
Koch Oil Company		11,114						11,114	
		27,305						27,305	
FLAT COULEE—Phillips Petroleum Co.		9,617	207			9,824			
FLAT LAKE & FLAT LAKE SOUTH— Portal Pipeline Co.		52,718					52,718		
FOUR MILE CREEK—Truck			8,439				8,439		
FRANNIE—Interstate Pipeline Co.			660				660		
FRED & GEORGE CREEK—Phillips Petr. Co.	24,189	29,322	1,669		1,018	28,608			25,554
GAGE—Truck			209			209			
GIRARD—Koch Oil Co.			1,190				1,190		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—Texas Pipeline Co.	4,757	22,010						23,507	3,260
GOOSE LAKE—Portal Pipeline Co.		17,827					17,827		
GUMBO RIDGE—Permian Corp.			6,879					6,879	
HAY CREEK—Fairview Pipeline Co.		3,162	4,526				4,526	3,162	
HIAWATHA—Continental Pipeline Co.		6,089					6,089		
HOWARD COULEE—Truck			2,856					2,856	
IVANHOE—Continental Pipeline Co.		2,968				2,968			
JIM COULEE—Continental Pipeline Co.		27,016				27,016			
KEG COULEE & KEG COULEE NORTH— Continental Pipeline Co.		8,474				8,474			
KELLEY—Continental Pipeline Co.		1,770				1,770			
KEVIN SUNBURST— Big West Oil Co.	5,278	28,927				28,647		1,944	3,614
Homestake Oil & Gas Co.	1,598	3,713				3,809			1,502
Texas Pipeline Co.	14,674	6,907		1,943		5,883			17,641
Northern Montana Oil Service	1,374		29,360			28,927			1,807
	22,924	39,547	29,360	1,943		67,266		1,944	24,564
LAIRD CREEK—Permian Corp.		1,768				1,768			
LEARY—Permian Corp.			3,370				3,370		
LODGE GRASS—Permian Corp.			933					933	
LONE TREE CREEK—Koch Oil Co.			10,306					10,306	
LONG CREEK—Truck			726			726			
MASON LAKE—Continental Pipeline Co.		364				364			
MELSTONE—Continental Pipeline Co.		1,555				1,555			
MIDDLE WALL—Continental Pipeline Co.²		7,921					7,921		
MOSSER—Permian Corp.			381			381			
NOHLY—Koch Oil Co.			8,636				8,636		
NORTH FORK—Koch Oil Co.			793				793		
OTIS CREEK			7,061			5,333	1,728		
OUTLOOK, OUTLOOK SOUTH & OUT- LOOK WEST—Portal Pipeline Co.		19,509					19,509		
PONDERA—Phillips Petr. Co.	22,902	15,708	8,032		1,977	1,731			42,934
POPLAR AREA— East Poplar Gathering System	15,502			74,429	55			82,986	6,890
PRAIRIE ELK			841				841		
PUTNAM—Western Crude Oil, Inc.			3,046				3,046		
RABBIT HILLS—Truck			5,181			383	4,798		
RAGGED POINT—Continental Pipeline		8,615				5,622	2,993		
RATTLER BUTTE—Truck			2,410			2,410			
RAYMOND—Portal Pipeline Co.		17,328					17,328		
RED CREEK—Western Oil Transportation		11,620						11,620	
REDSTONE—Koch Oil Co.			898					898	
RESERVE—Portal Pipeline Co.		1,959					1,959		
RIPRAP COULEE—Koch Oil Co.			1,431				1,431		
ROSEBUD—Continental Pipeline Co.		3,703				3,703			
RUSH MOUNTAIN—Koch Oil Co.			1,979					1,979	
SALT LAKE—Koch Oil Co.			2,035					2,035	
SECOND CREEK—Koch Oil Co.			5,150			4,008	1,142		
SHEEPHERDER—Continental Pipeline Co.		869				869			
SIOUX PASS			59,694			27,538	32,156		
SNYDER—Permian Corp.			615			615			
SOUTH FORK			1,978				1,978		
SPRING LAKE—Koch Oil Co.			1,578					1,578	
SUMATRA, STENSVD & HIGH FIVE— Continental Pipeline Co.	629,846	187,426		2,735,723	2,927	166,583		2,509,190	874,295
TULE CREEK, BENRUD, VOLT & OTHERS¹— Kenco Ref.	6,108		31,378		(270)	32,517			5,239
Permian Corp.			433				433		
	6,108		31,811		(270)	32,517		433	5,239
VAUX—Truck			5,349			5,349			
WEED CREEK			1,644			1,644			
WHITLASH & WHITLASH WEST— Phillips Petr.		10,518	3,892			14,410			
WINNETT JCT —Truck			2,912			2,912			
WOLF SPRINGS—Permian Corp.			869					869	
WILDCAT WELLS—Truck			20,972			1,622	18,903	447	
TOTAL	1,068,110	2,297,351	414,040	3,972,543	10,266	820,539	2,219,398	3,130,520	1,571,321

¹Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Monarch, Pennel, Pine, Repeat, Vida, Weldon and Wills Creek South.
²Little Wall Creek and Willow Creek North
³Transferred to Wascara Pipeline Co
⁴Benrud, Benrud East, Benrud Northeast, Big Bend, Culbertson, Froid, Poplar, Red Fox, Richey S.W., Tule Creek, Tule Creek East, Tule Creek South and Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF APRIL, 1977

	Big West Oil Co.	Continental Oil Co.	Exxon Co.	Farmer's Union	Kenco Ref., Inc.	Phillips Petr. Co.	Westco Refining Co.	Total
Big Wall.....				3,490	.....	.....	.....	3,490
Cat Creek.....		2,426	.....	6,582	.....	.....	.....	9,008
Charlie Creek				1,937	.....	.....	.....	1,937
Cut Bank and Others			32,001	776	.....	127,625	87,338	247,740
Elk Basin.....		18,896	24,035	425	.....	.....	.....	43,356
Flat Coulee.....							9,824	9,824
Fred & George Creek						10,009	.....	10,009
Ivanhoe		2,968	.....	.....	.....	.....	.....	2,968
Jim Coulee.....		27,016	.....	.....	.....	.....	.....	27,016
Keg Coulee		4,262	.....	.....	.....	.....	.....	4,262
Kelley.....			1,770	.....	.....	.....	.....	1,770
Kevin Sunburst	21,262	.....	.....	.....	.....	.....	.....	21,262
Lodge Grass				933	.....	.....	.....	933
Mason Lake		364	.....	.....	.....	.....	.....	364
Melstone				1,340	.....	.....	.....	1,340
Mosser.....		381	.....	.....	.....	.....	.....	381
Pondera.....						319	.....	319
Ragged Point.....		5,622	.....	.....	.....	.....	.....	5,622
Rosebud		3,703	.....	.....	.....	.....	.....	3,703
Richey Southwest					2,588	.....	.....	2,588
Snyder				615	.....	.....	.....	615
Sumatra & Stensvad		109,874	8,486	3,456	.....	.....	.....	121,816
Tule Creek & Others		28,307	.....	2,197	54,115	.....	.....	84,619
Vaux					3,788	.....	.....	3,788
Volt					12,787	.....	.....	12,787
Whitlash							14,410	14,410
Willow Ridge			406	.....	.....	.....	.....	406
Winnett Junction								
Wolf Springs			869	2,912	.....	.....	.....	2,912
TOTAL Montana Oil	21,262	203,819	67,567	24,663	73,278	137,953	111,572	640,114
N. Dakota Oil Imported				23,836	.....	.....	.....	23,836
Canadian Oil Imported	393	791,287	486,988	243,817	.....	.....	.....	1,522,485
Wyoming Oil Imported		327,423	482,283	203,565	.....	.....	.....	1,013,271
TOTAL Montana, N. Dakota, Canadian & Wyoming Oil	21,655	1,322,529	1,036,838	495,881	73,278	137,953	111,572	3,199,706

	AVERAGE BARRELS PER DAY					PERCENTAGE OF CRUDE OIL REFINED			
	Montana	Canada	Wyoming	N. Dakota	Total	Montana	Canada	Wyoming	N. Dakota
Year, 1976.....	23,272	64,192	50,029	.....	137,493	16.93%	46.69%	36.38%	.....
April, 1976	22,985	60,251	46,512	.....	129,748	17.71%	46.44%	35.85%	.....
April, 1977	21,337	50,750	33,776	795	106,658	20.01%	47.58%	31.67%	7.4%